

**SAI Active
SAI-AU M12 CAN 16DI****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

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www.weidmueller.com



The Universal range meets current demands and is popular thanks to its expanded diagnostics options and modern design.

General ordering data

Type	SAI-AU M12 CAN 16DI
Order No.	1906650000
Version	SAI Active, Sensor-actuator active distributor, CANopen, Complete modul
GTIN (EAN)	4032248528820
Qty.	1 pc(s).

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Technische Daten

Dimensions and weights

Width	54 mm	Net weight	461 g
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Configuration

Device description file	Device-specific for each module	System integration	EDS file
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Connections

Fieldbus (BUS-IN)	1x M12 plug 5-pole, A-coded	Fieldbus (BUS-OUT)	1x M12 female 5-pole, A-coded
I/O connections	8 x M12 socket 5-pole, A-coded	Supply voltage (AUX-IN)	1x M12 plug 5-pole, A-coded
Supply voltage (AUX-OUT)	1x M12 female 5-pole, A-coded		

Digital inputs

Input current, high	2 mA to 15 mA in accordance with EN 61131-2 Type 1	Input current, low	< 15 mA in accordance with EN 61131-2 Type 1
Input filter	3 ms	Input voltage, high	>15 V in accordance with EN 61131-2 Type 1
Input voltage, low	<5 V in accordance with EN 61131-2 Type 1	Permitted input voltage	-30 V to +30 V (protected against polarity reversal)
Separation of potentials to module electronics [digital inputs]	none		

General data

Certificate	CE, cULus	Earth	< 400 g
Housing main material	Pocan, PBT	L x W x H	210 mm / 54 mm / 32 mm
Protection degree	IP 67	UL 94 flammability rating	V-0

Diagnosis

Channel	LED, Yellow (signal), Red (short circuit), Additionally via Fieldbus	Communication (optical)	RN LED, BF LED
DESINA	Yes	Module supply	LED: green (voltage > 18 V DC), red (voltage < 18 V DC), Additionally via Fieldbus

Fieldbus

Addressing	Via rotary coding switch (1 - 127)	Bus system	CANopen
Transmission rate	Max. 1 Mbit/s (automatic detection)		

Functional inputs

Input filter	3 ms	Resolution	12-bit
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Supply voltage

Contact load	Per PIN max. 4 A	Current consumption module	70 mA typically
Limits	18 V DC ... 30 V DC	Max. total current module	8 A
Operating voltage	24 V	Reverse polarity protection	Yes

Classifications

ETIM 3.0	EC001599	UNSPSC	43-17-27-10
eClass 5.1	27-25-04-03	eClass 6.2	27-24-26-04
eClass 7.1	27-24-26-04		

Approvals

Approvals



ROHS

Conform